

# APPENDIX E

Docket No.: 070456-0016



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	:	Customer Number: 20277
Kouichi OKUGAMI, et al.	:	Confirmation Number: 4835
Application No.: 10/787,221	:	Group Art Unit: 3682
Filed: February 27, 2004	:	Examiner: KRAUSE, Justin

For: TRANSMISSION COMPONENT, METHOD OF MANUFACTURING THE SAME, AND  
TAPERED ROLLER BEARING

**DECLARATION UNDER 37 C.F.R. § 1.132**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

1. I, Michio Hori, declare that:

2. I, together with Chikara Ohki, Kouichi Okugami, and Yoshinori Muramatsu, are  
named as joint inventors in U.S. Patent Application Serial No. 10/787,221, filed February 27,  
2004;

3. to the extent that subject matter relating to:

a transmission component incorporated into a transmission capable of changing a  
rotational speed of an output shaft relative to a rotational speed of an input shaft by means of  
mesh of toothed wheels, the component having a nitriding layer formed by a carbonitriding  
process at a surface layer, and an austenite grain with a grain size number falling within a range  
exceeding 10; a transmission component incorporated into a transmission capable of changing a

rotational speed of an output shaft relative to a rotational speed of an input shaft by means of mesh of toothed wheels, the component having a nitriding layer formed by a carbonitriding process at a surface layer, and a fracture stress value of at least 2650 MPa; a transmission component incorporated into a transmission capable of changing a rotational speed of an output shaft relative to a rotational speed of an input shaft by means of mesh of toothed wheels, the component having a nitriding layer formed by a carbonitriding process at a surface layer, and a hydrogen content of at most 0.5 ppm; and a tapered roller bearing having an inner ring, an outer ring, and a tapered roller, wherein at least any one of the inner ring, the outer ring and the tapered roller has a nitriding layer formed by a carbonitriding process and an austenite grain with a grain size number falling within a range exceeding 10, is disclosed, but not claimed in U.S. Patent Application Serial No. 10/300,590, filed November 21, 2002, Chikara Ohki is the sole inventor of said subject matter; and

4. I am not an inventor of said subject matter described above.

5. The undersigned hereby declares that all statements made herein based upon knowledge are true, and that all statements made based upon information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

DATED: March 9, 2007

Michio Hori

Michio Hori